

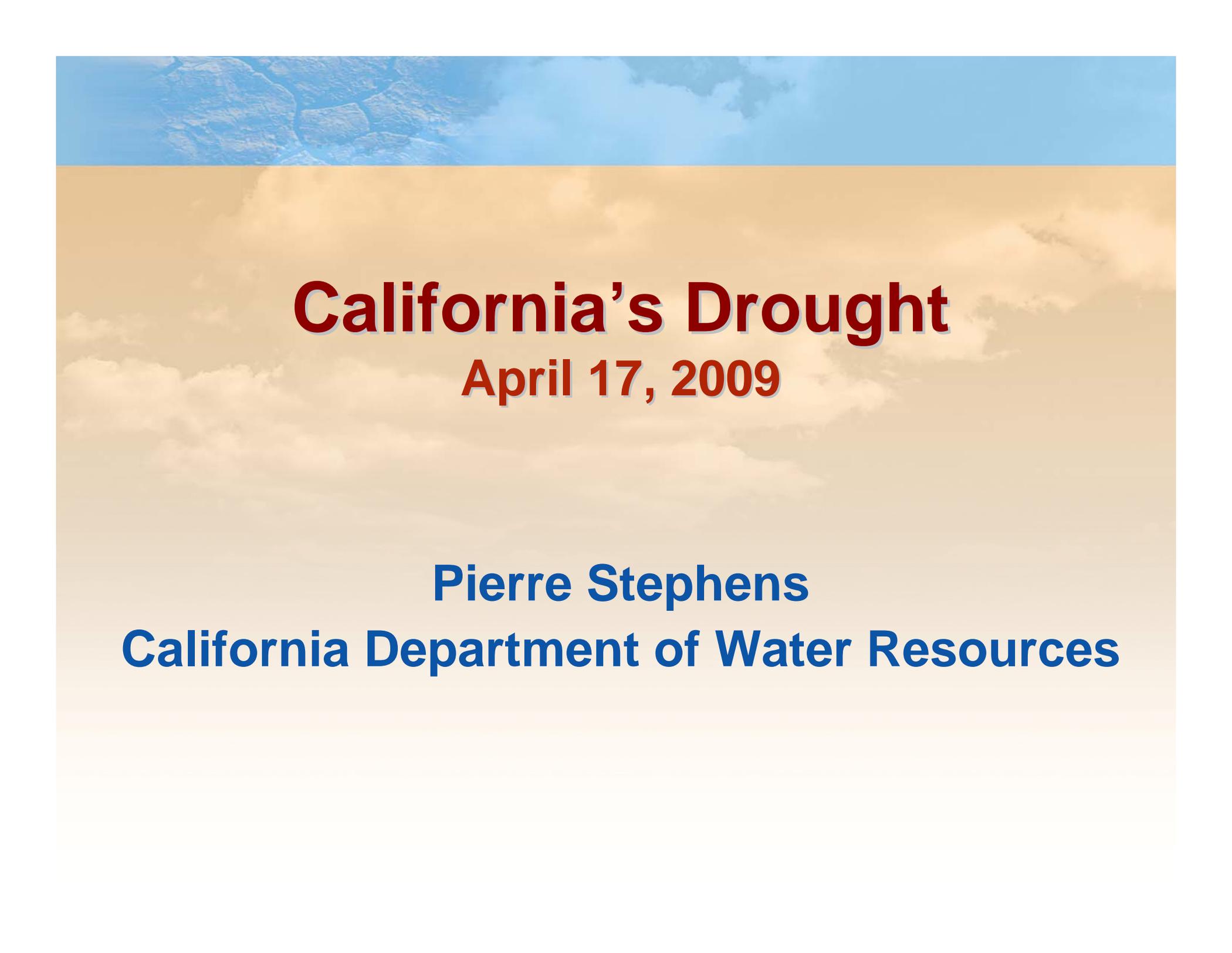
Upcoming Meetings

- **4/22/09 Water Resources Control Board Bay-Delta Plan amendment workshop – Sacramento**
- **5/7/09 California Finance Coordinating Committee Funding Fair – Sacramento**
- **5/21/09 California Water Plan Delta regional workshop - Antioch**
- **5/21/09 Napa Watershed Symposium - Napa**

Coming soon ...

20x2020 Public Draft Plan workshop

IRWM Implementation Grant workshops



California's Drought

April 17, 2009

Pierre Stephens

California Department of Water Resources

Current Water Conditions

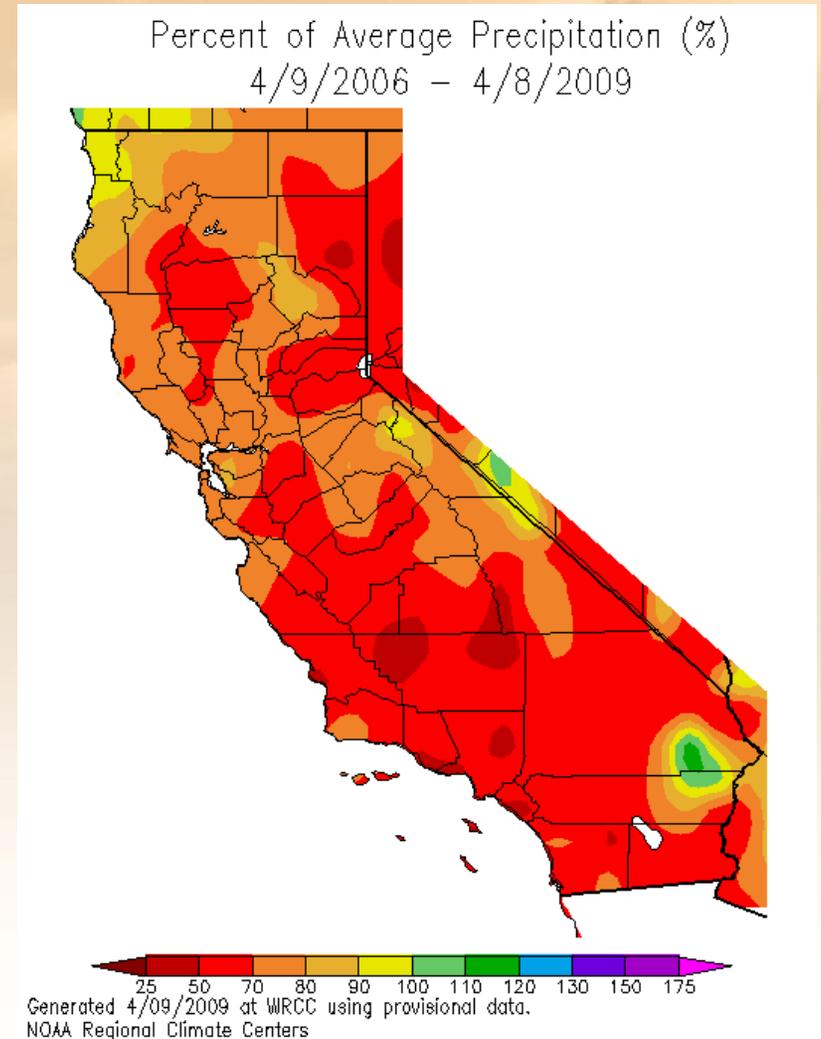
April 15, 2009

Statewide Precipitation

	% of avg
1-year (driest March-August in 2008)	67%
2-year	68%
3-year	63%

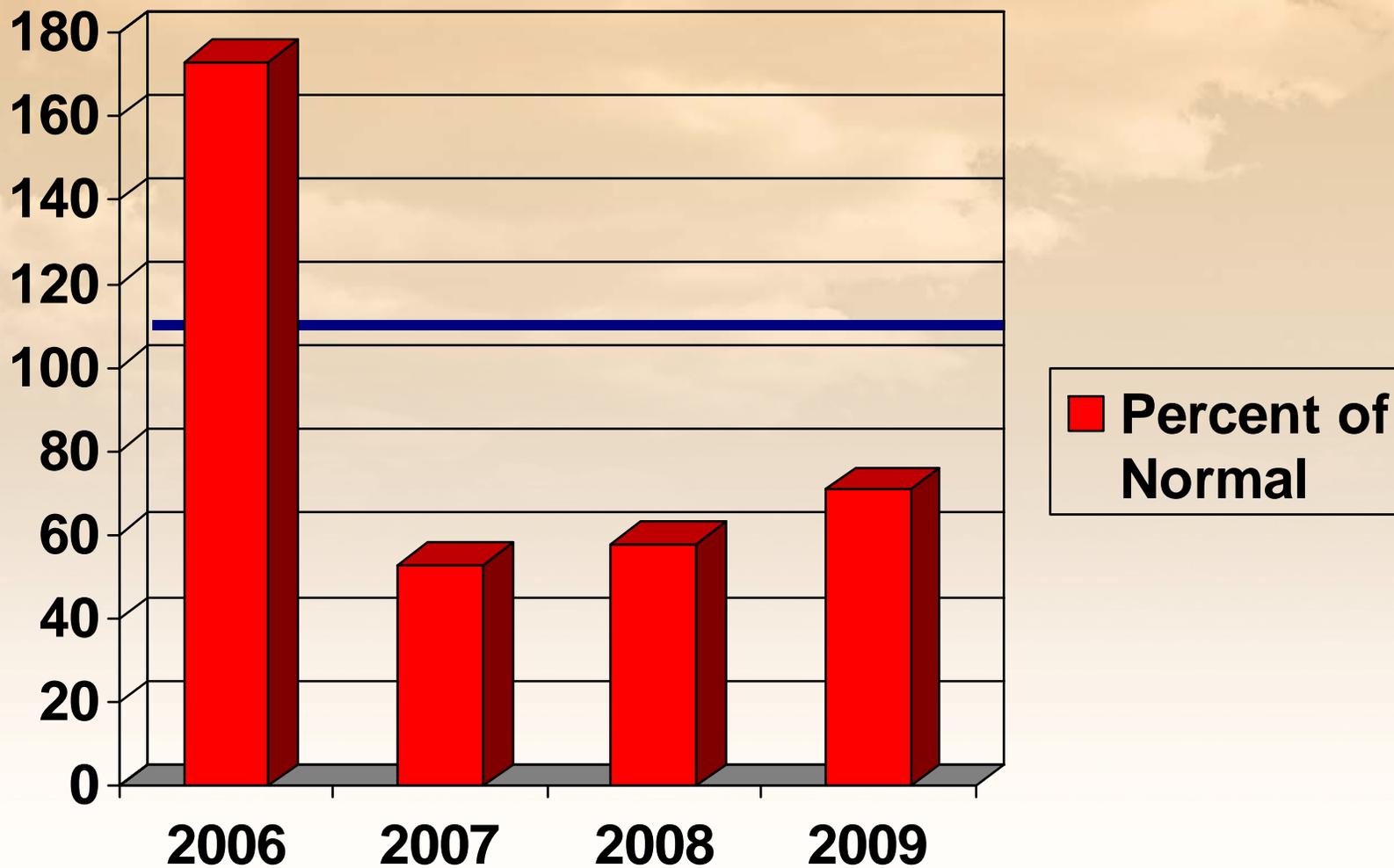
Sierra Snowpack

Northern	88%
Central	81%
Southern	79%
Statewide	83%



Statewide Runoff

(April 1, 2009 projection)



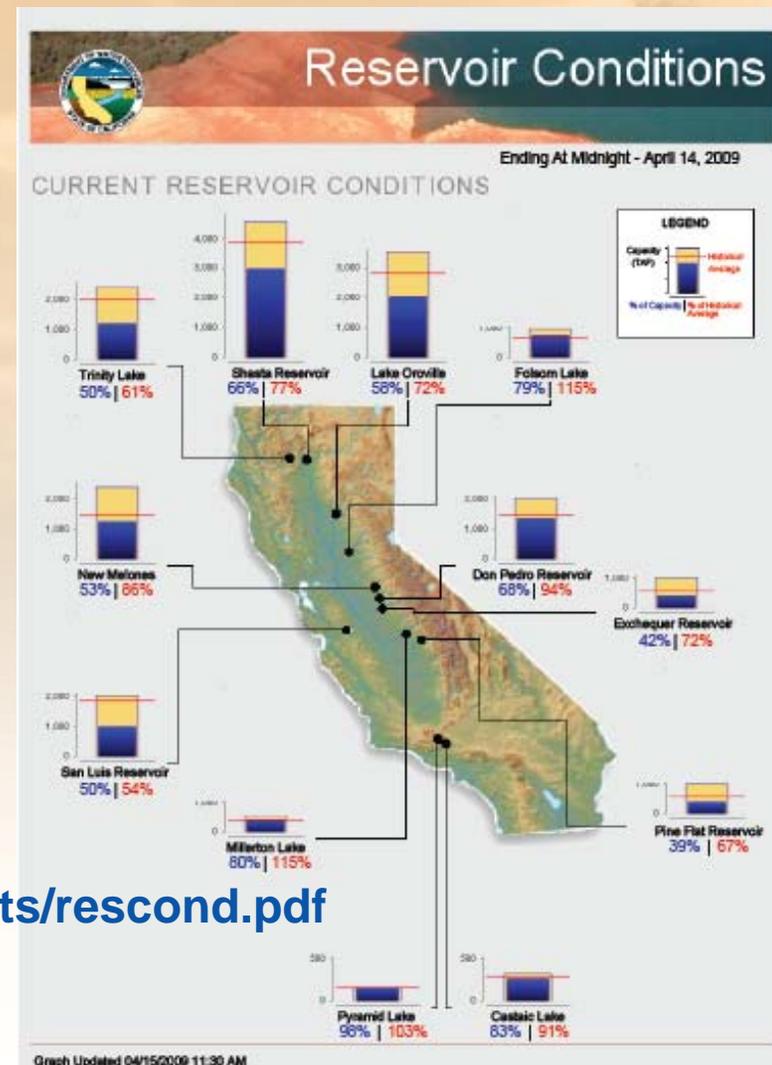
Current Water Conditions

April 15, 2009

Major Reservoirs

	% of avg	% of capacity
Shasta	77%	66%
Oroville	72%	58%
San Luis	54%	50%

<http://cdec.water.ca.gov/cgi-progs/products/rescond.pdf>



Estimated 2009 Water Allocations

<u>Year</u>	<u>Type</u>	<u>CVP Allocation</u>	<u>SWP Allocation</u>
2006	Wet	100% Ag / 100% M&I	100%
2007	Dry	50% Ag / 75% M&I	60%
2008	Critical	40% ag / 75% M&I	35%
2009	Dry	0% ag/ 50% M&I south of Delta 5% ag/ 55% M&I north of Delta	30%

Classifications: Wet, Above Normal, Below Normal, Dry, Critical

Projected 2009 Economic Impacts of Drought

■ DWR Projections

- 2009 job loss **16,200-23,700**
- 2009 income loss **\$440-644 million**
- Farm revenue loss **\$325-477 million**
(excluding livestock, dairies, dryland range & pasture)



Drought Emergency Proclamation

Governor's February 2009 Proclamation orders:

- **Expedited drought water bank/other transfers**
- **Immediate conservation and statewide campaign**
- **Water use reduction by state agencies**
- **CAL-EMA drought response actions**
- **Emergency exemptions in CEQA for priority drought relief projects**
- **Fish protection and water quality actions in Delta**
- **Permit streamlining for emergency supply projects**

Local Impacts

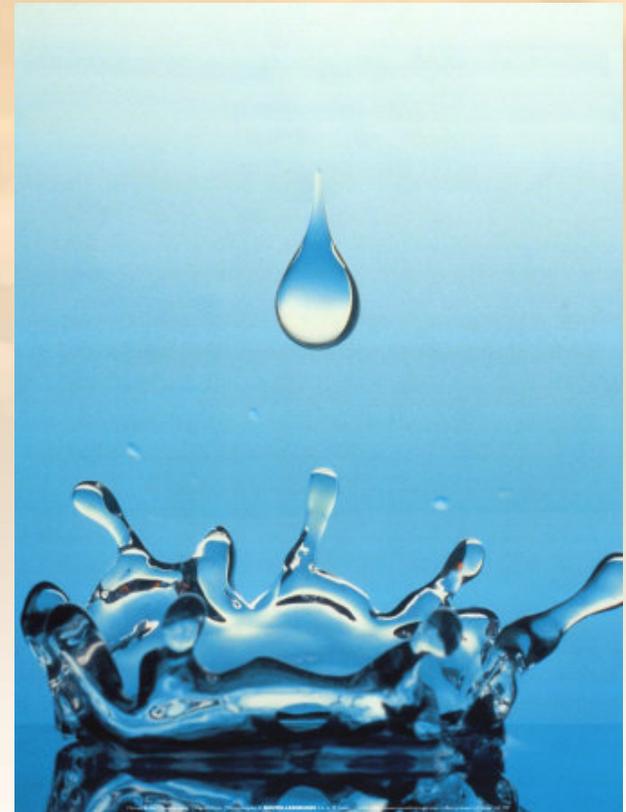
- **Emergency Declarations**
 - **Mendocino Co. Emergency Decl. 3-24-09**
 - **Fresno Co. Emergency Decl. 4-14-2009**

- **Mandatory Rationing**
 - **20 water districts**

- **Conservation requests**
 - **59 local water agencies**
 - **Statewide 'Save Our Water' campaign to launch April 21, 2009 - 20% savings goal**

2009 Drought Response

- **Conservation**
- **Drought Water Bank**
- **Regional transfers**
- **Expedited grants**
- **Workshops/public outreach**



Long Term Actions

- **Sustain and increase conservation**
- **Diversify regional supplies**
- **Increase storage**
- **Fix the Delta**
- **Sustain investment**



New Website

- www.water.ca.gov/drought

The screenshot shows a Microsoft Internet Explorer browser window displaying the website <http://www.water.ca.gov>. The page title is "Drought Conditions". The browser's address bar shows the URL, and the menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The website header features the "CA.GOV DEPARTMENT OF WATER RESOURCES" logo and a search bar with "GO" and "California" selected. A navigation menu includes "Home", "Newsroom", "Flood & Safety", "Planning", "State Water Project", "Funding", "Environment", "Supply & Use", and "Data". Below the menu, there is a link for "Climate Change and California's Water | Delta Initiatives | Drought | All Environment Topics...".

The main content area features a large banner with the text "Drought Condition" and "California's DROUGHT Year 3". A circular graphic shows four colored dots (green, yellow, orange, red) with "SEVERE" in the center. Below the banner, a sidebar titled "RESOURCES" lists various links: "Drought Home", "2009 Drought Actions", "Recent Drought News", "Videos", "Still Photographs", "Recent Drought History", "Governor's Declarations", "State Water Project", "Drought Links", and "Drought Information Contacts".

The main content area also features a large graphic with the text "So, just how bad is it?" and "After three dry years, all the factors influencing California's water supply are suffering." Below this, there is a link "click here to continue". At the bottom, there are three buttons: "Current Conditions", "Assistance", and "Drought Water Bank".

Questions?



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California's Drought

- 2009 third dry year statewide; 8th driest January on record
- Major reservoirs remain very low
- Groundwater basins are depleted
- Early March rain helped, but drought conditions in 2009 projected to be dry for third year



Lake Oroville
2-3-2009

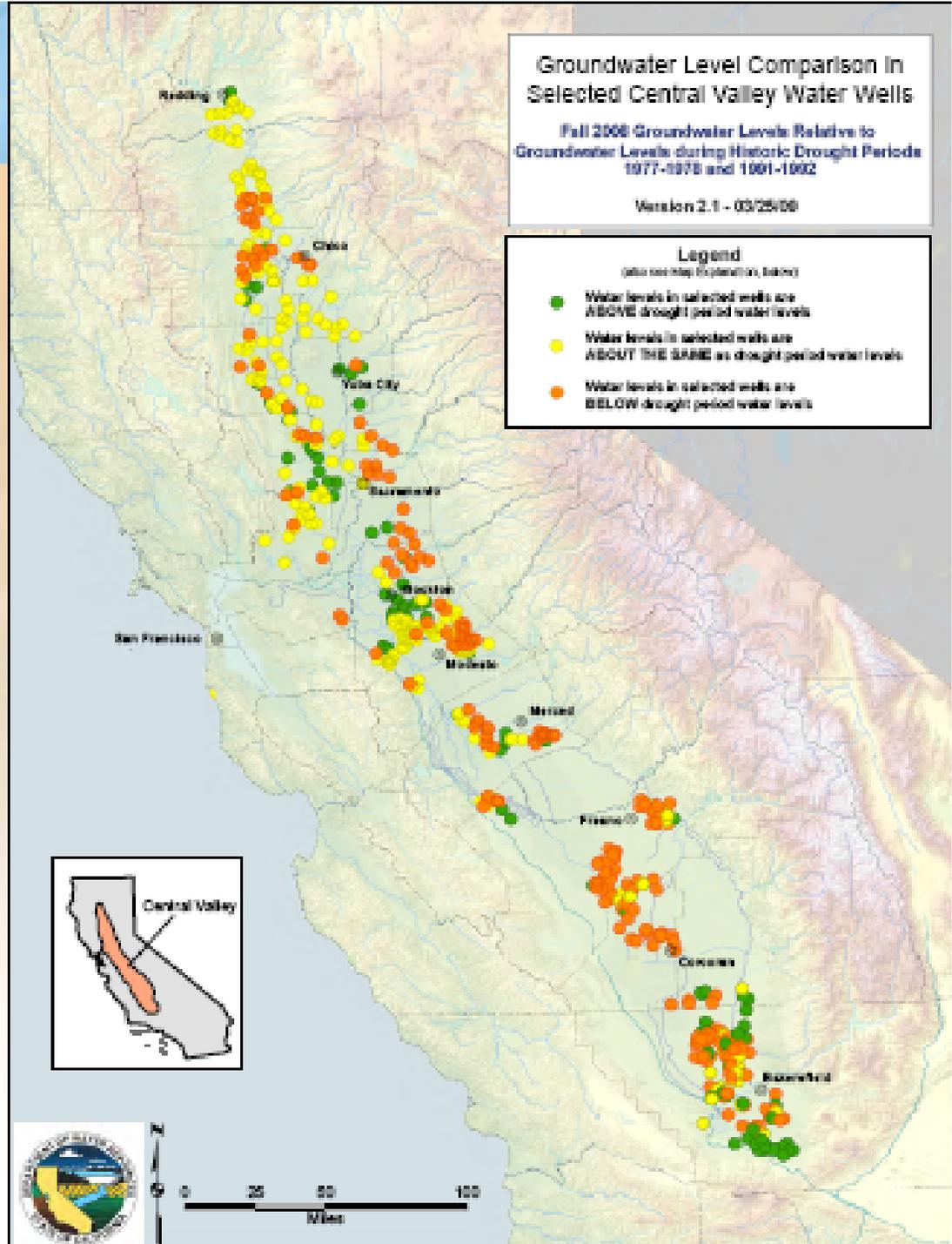
1991 vs. 2009

- 10 million new residents
- Shift from row crops to permanent crops
- Fish species at risk
- Restrictions reduce flexibility of water operations
- Climate change



Groundwater

- Water levels ABOVE drought period water levels
- Water levels About the SAME as drought period water levels
- Water levels BELOW drought period water levels



2008 Drought Impacts

- **Agricultural losses – more than \$300M**
- **Local rationing**
- **Delayed economic development**
- **Reduced hydropower generation**
- **Reduced recreation**
- **Increased wildfire**
- **Small systems at risk**

